

## Patent claims

1. Arrangement for the extracorporeal storage of organs according to the invention consisting at least of an organ perfusion chamber (1) with a  
5 controllable temperature device (3) and an organ (2) disposed therein, with the organ (2) covered by an impermeable protective cover (21) and furthermore completely surrounded by a storage fluid (4),  
characterized in that the storage fluid (4) is the dialysate which is component of a vital-state maintaining circuit (5) composed of a dialysate circuit (51) and a  
10 perfusate circuit (52).
2. Arrangement as claimed in claim 1 characterized in that the organ perfusion chamber 1 is closed fluid-tight and pressure-tight.
- 15 3. Arrangement as claimed in claim 1 characterized in that the controllable temperature device (3) is executed as heating mat.
4. Arrangement as claimed in claim 1 characterized in that the controllable temperature device (3) is integrated in the wall of the organ perfusion  
20 chamber (1).

## Summary

The invention relates to an arrangement for extracorporeal storage of organs. Such arrangements artificially maintain or regenerate the vital functions of  
5 organs, in which organs also comprise limbs and tissue lobes.

The arrangement for the extracorporeal storage of organs according to the invention consists at least of an organ perfusion chamber 1 with a controllable temperature device 3. Disposed in the organ perfusion chamber 1 is an organ 2 which is covered by a protective cover 21. The organ 2  
10 protected in this manner is maintained in a completely floating state in the storage fluid 4. The invention is characterized essentially in that the storage fluid 4 is a dialysate, which is a component of the vital-state maintaining circuit 5.

15 Fig. 1